

d hist

# Search

(FILE 'HOME' ENTERED AT 13:38:40 ON 08 JUN 2002)

FILE 'REGISTRY' ENTERED AT 13:38:55 ON 08 JUN 2002

L1 STRUCTURE UPLOADED

L2 1 S L1

L3 27 S L1 FULL

L4 STRUCTURE UPLOADED

L5 8 S L4

L6 76 S L4 FULL

FILE 'CAPLUS' ENTERED AT 13:40:38 ON 08 JUN 2002

L7 0 S L3/PREP AND L6

L8 8 S L3/PREP

FILE 'CAPLUS, MEDLINE, BIOSIS, SCISEARCH, USPATFULL' ENTERED AT 13:45:25 ON 08 JUN 2002

FILE 'STNGUIDE' ENTERED AT 13:46:26 ON 08 JUN 2002

FILE 'REGISTRY' ENTERED AT 14:13:27 ON 08 JUN 2002

L9 STRUCTURE UPLOADED

L10 7 S L9

L11 136 S L9 FULL

FILE 'CAPLUS' ENTERED AT 14:14:17 ON 08 JUN 2002

L12 1 S L11/PREP AND L6

L13 68 S (IODINE(S)MAGNESIUM(S)EXCHANG?) OR (HALOGEN(S)MAGNESIUM(S)EXC

L14 6 S L11 AND L13

FILE 'CAPLUS, MEDLINE, BIOSIS, EMBASE, SCISEARCH, USPATFULL' ENTERED AT 14:27:28 ON 08 JUN 2002

FILE 'MEDLINE' ENTERED AT 14:29:33 ON 08 JUN 2002

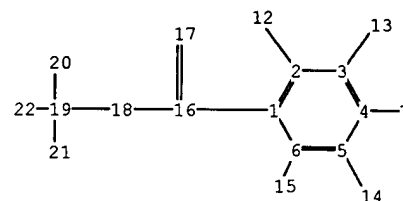
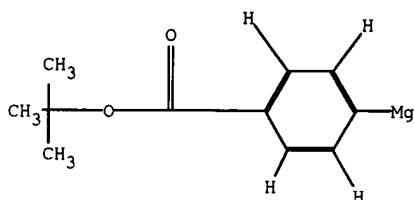
FILE 'STNGUIDE' ENTERED AT 14:30:18 ON 08 JUN 2002

FILE 'CAPLUS' ENTERED AT 14:45:11 ON 08 JUN 2002

FILE 'STNGUIDE' ENTERED AT 14:48:06 ON 08 JUN 2002

FILE 'REGISTRY' ENTERED AT 15:40:31 ON 08 JUN 2002

FILE 'STNGUIDE' ENTERED AT 15:40:42 ON 08 JUN 2002



chain nodes :

7 12 13 14 15 16 17 18 19 20 21 22

ring nodes :

1 2 3 4 5 6

chain bonds :

1-16 2-12 3-13 4-7 5-14 6-15 16-17 16-18 18-19 19-20 19-21  
19-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

16-17 16-18 18-19

exact bonds :

1-16 2-12 3-13 4-7 5-14 6-15 19-20 19-21 19-22

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

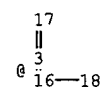
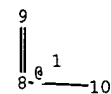
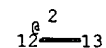
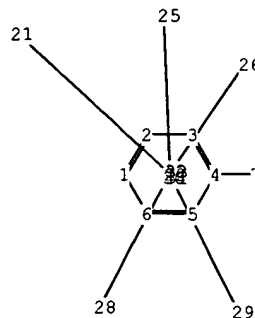
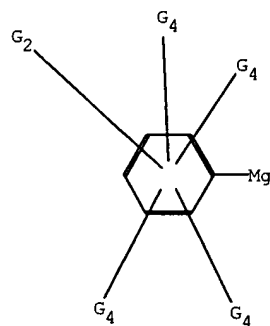
G2:X

G3:X,Cl,Br,F

G4:X,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 12:CLASS  
13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS  
20:CLASS



chain nodes :

7 8 9 10 12 13 16 17 18 21 25 26 28 29

ring nodes :

1 2 3 4 5 6

chain bonds :

4-7 8-9 8-10 12-13 16-17 16-18

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

8-9 8-10 12-13 16-17 16-18

exact bonds :

4-7

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

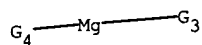
G2:X, [\*1], [\*2], [\*3]

G3:X, Cl, Br, F

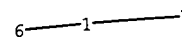
G4:X, H, [\*1], [\*2], [\*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS 18:CLASS 21:CLASS  
22:CLASS 25:CLASS 26:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS  
32:CLASS



4



chain nodes :

1 4 6 7

chain bonds :

1-6 1-7 4-4 4-4

exact/norm bonds :

1-6 1-7

exact bonds :

4-4 4-4

G2:X

G3:X,Cl,Br,F

G4:CH<sub>3</sub>,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,Ph

Match level :

1:CLASS 4:CLASS 6:CLASS 7:CLASS

L Number	Hits	Search Text	DB	Time stamp
-	12867	grignard or arylmagnesium	USPAT	2002/06/08 12:38
-	5822	(halogen with magnesium) or (iodine with magnesium) or (bromine with magnesium)	USPAT	2002/06/08 12:39
-	302458	exchang\$	USPAT	2002/06/08 12:39
-	169	((halogen with magnesium) or (iodine with magnesium) or (bromine with magnesium)) same exchang\$	USPAT	2002/06/08 12:40
-	52	(grignard or arylmagnesium) and (((halogen with magnesium) or (iodine with magnesium) or (bromine with magnesium)) same exchang\$)	USPAT	2002/06/08 12:40